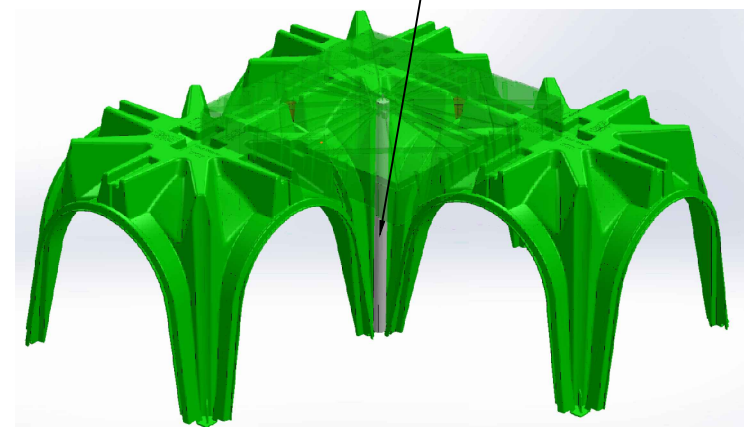


ACCEPTABLE FILL MATERIALS			
MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION	COMPACTION/DENSITY REQUIREMENT
C	FILL MATERIAL: FILL MATERIAL FOR LAYER "C" STARTS FROM TOP OF "B" LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT THE PAVEMENT SUBBASE MAY BE A PART OF "C".	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIALS AND PREPARATION REQUIREMENTS. FOR COMPACTION EFFORTS, EQUIPMENT MUST BE KEPT AT OR BELOW TRITONS ALLOWABLE GROUND PRESSURE PER THE INSTALLATION MANUAL.
B	EMBEDMENT STONE: BACKFILL STONE SURROUNDING VAULT SYSTEM FROM THE FOUNDATION STONE (A) TO THE "C" LAYER ABOVE.	AASHTO M43 3, 357, 4	STONE IS SELF-COMPACTING. NO COMPACTION REQUIRED
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE VAULT	AASHTO M43 56, 57 21AA (SEE NOTE 4)	PLACE AND COMPACT IN 6" (150mm) MAX LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.

PLEASE NOTE:

1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE."
2. TRITON SWS COMPACTION REQUIREMENTS ARE MET FOR "A" LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (229mm) MAX LIFTS USING TWO FULL PASSES WITH AN APPROPRIATE COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD INSTALLATIONS AND STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT TRITON FOR COMPACTION REQUIREMENTS.
4. STONE POROSITY ASSUMED TO BE 40% WITH AASHTO M43 56 AND 57 STONE. IF 21AA OR SIMILAR IS USED ALLOWABLE STONE POROSITY WILL BE LESS THAN 40% AND MUST BE APPROVED BY BOTH TRITON AND ENGINEER TO ENSURE PROPER STORAGE CALCULATIONS ARE USED
5. STONE BACKFILL ABOVE TRAYS MAY BE REDUCED DEPENDING ON SUBGRADE BEARING CAPACITY AND PAVEMENT SUBGRADE REQUIREMENTS AS WELL AS A CONTRACTIBILITY DISCUSSION AS NO EQUIPMENT IS ALLOWED OVER SYSTEM WITHOUT A MINIMUM 12" (300mm) COVER OVER TRAYS.

* THE DESIGN ENGINEER IS SOLELY RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND DETERMINING THE DEPTH OF FOUNDATION STONE. SUBGRADE BEARING RESISTANCE SHOULD BE ASSESSED WITH CONSIDERATION FOR THE RANGE OF SOIL MOISTURE CONDITIONS EXPECTED UNDER A STORMWATER SYSTEM.



CONCEPTUAL PLAN DISCLAIMER

THIS GENERIC DETAIL DOES NOT ENCOMPASS THE SIZING, FIT, AND APPLICABILITY OF THE TRITON CHAMBER SYSTEM FOR THIS SPECIFIC PROJECT. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ASSURE THAT THE STORMWATER SYSTEM DESIGN IS IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. TRITON PRODUCTS MUST BE DESIGNED AND INSTALLED IN ACCORDANCE WITH TRITON'S MINIMUM REQUIREMENTS. TRITON STORMWATER SOLUTIONS DOES NOT APPROVE PLANS, SIZING, OR SYSTEM DESIGNS. THE DESIGN ENGINEER IS RESPONSIBLE FOR ALL DESIGN DECISIONS.



7600 EAST GRAND RIVER, STE. 195
BRIGHTON, MI 48114
PHONE: (810) 222-7652 • FAX: (810) 222-1769
WWW.TRITONSWS.COM

VAULT CROSS SECTION INFILTRATION

TRITON STANDARD DETAIL

REVISED:
10-30-20 JWM